



LEFT
RIGHT

TONE
FM STEREO
AUX
TAPE
PHONO
SOURCE

SELECTORS

VOLUME
MONO LEFT
MONO RIGHT
STEREO
AUXILIARY

TONE

BASS

TREBLE

LEFT
RIGHT

Transistor Stereo Amplifier

HEATHKIT



LEFT

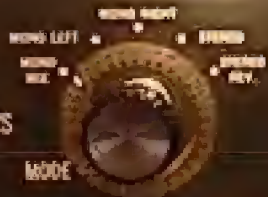


RIGHT



SELECTORS

SOURCE



MODE

VOLUME



BASS



TREBLE



LEFT

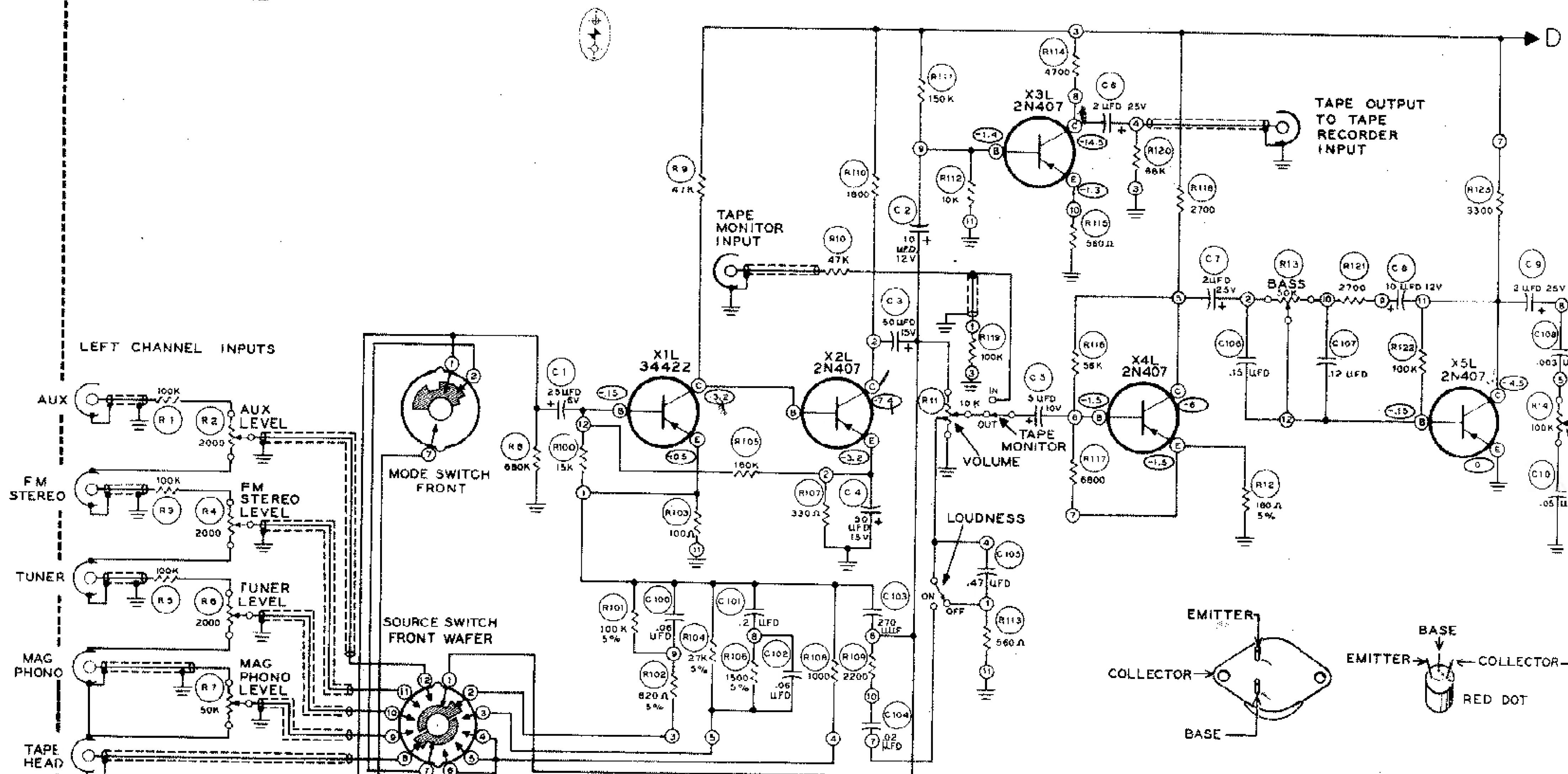


RIGHT

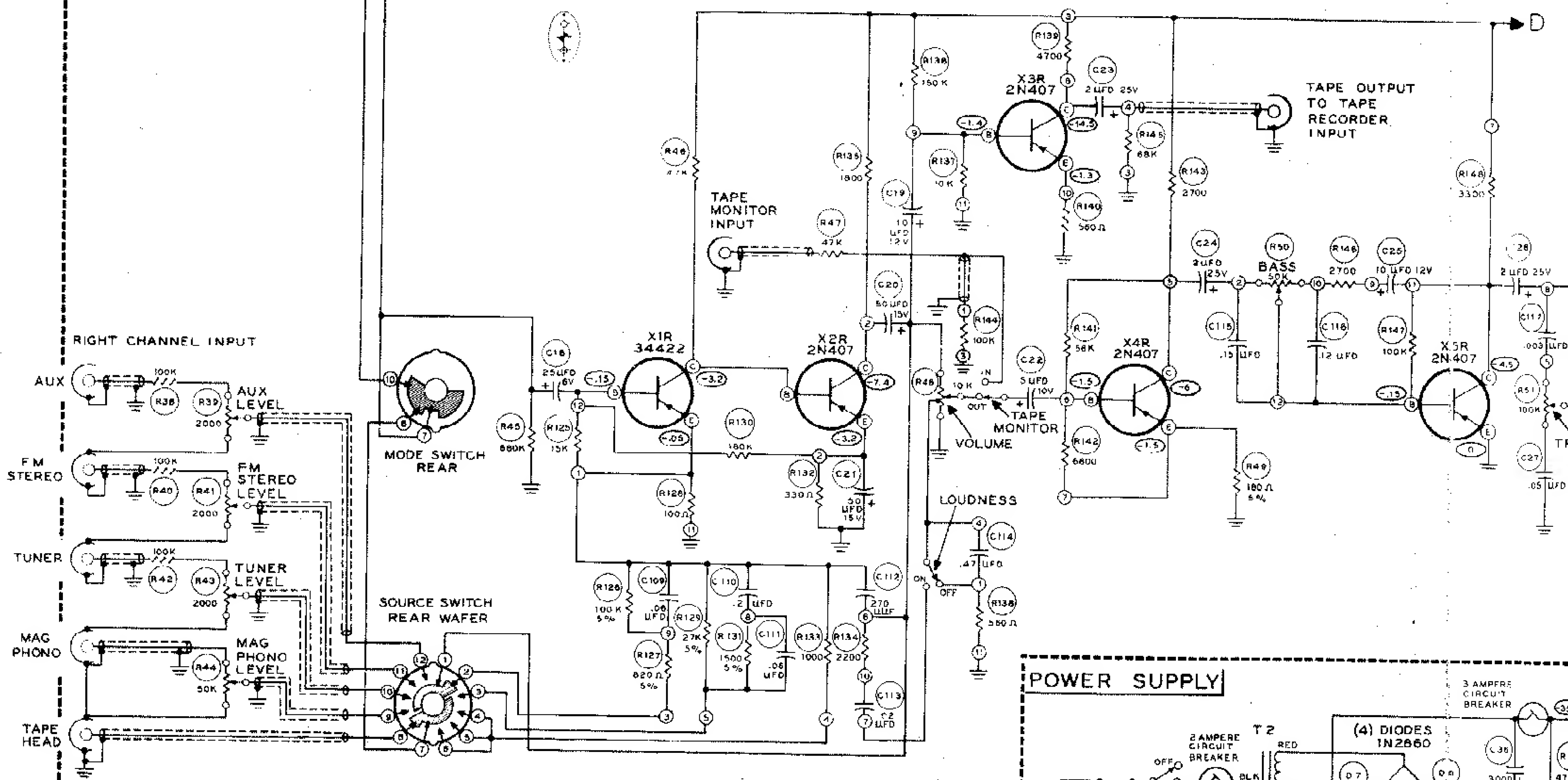
Transistor Stereo Amplifier

HEATHKIT

LEFT CHANNEL



RIGHT CHANNEL



NOTES:

ROTARY SWITCH WAFERS VIEWED FROM SHAFT END OF SWITCH. PHASE SWITCH IN NORMAL POSITION. SOURCE SWITCH SHOWN IN TAPE HEAD POSITION. TAPE MONITOR SWITCH IN OUT POSITION. MODE SWITCH SHOWN IN MONO MIX POSITION. LOUDNESS IN OFF POSITION.

VOLTAGES TAKEN WITH AN 11 MEGOHM INPUT VTVM WITH A 120 VOLT LINE SOURCE.

VOLTAGES MAY VARY ±20% DUE TO TOLERANCE OF COMPONENTS.

DC VOLTAGES TAKEN FROM TEST POINT TO CHASSIS GROUND. UNDER NO-SIGNAL CONDITIONS. WITH LOAD OR SPEAKERS CONNECTED TO OUTPUT TERMINALS.

○ INDICATES VOLTAGE READINGS.
⊥ INDICATES CHASSIS GROUND.

100 SERIES IS USED FOR THE R AND C NUMBERS FOR THE RESISTORS AND CAPACITORS IN THE MODULES.

ALL RESISTORS ARE 1/2 WATT UNLESS SPECIFIED OTHERWISE.

ALL RESISTOR VALUES ARE IN OHMS (K = 1000 OHMS).

X1L - LEFT CHANNEL TRANSISTOR.

X1R - RIGHT CHANNEL TRANSISTOR.

C = COLLECTOR.

B = BASE.

E = EMITTER.

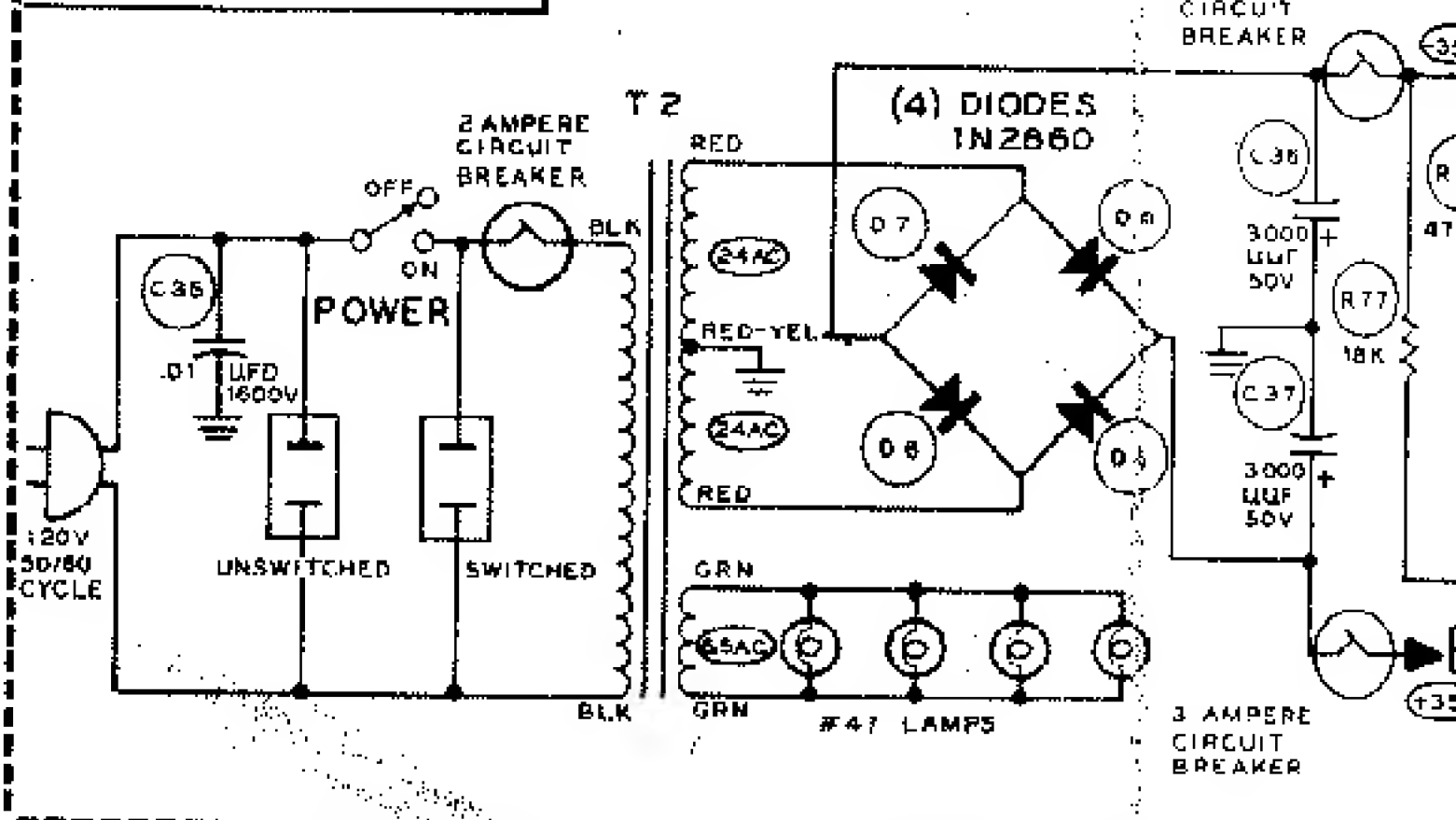
* MATCHED GAIN PAIR.

EQUALIZATION NETWORK MODULE #04-28

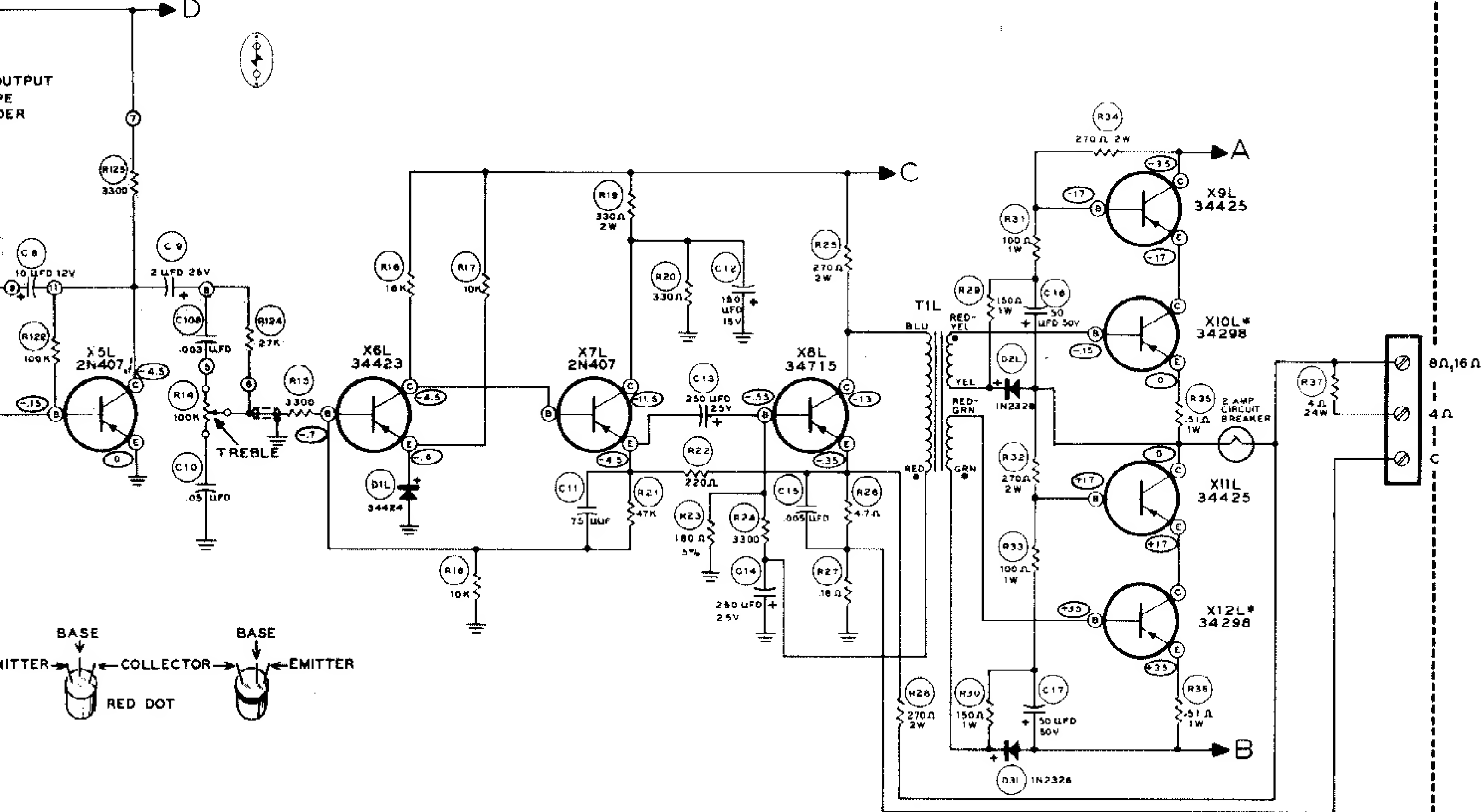
BIAS NETWORK MODULE #04-29

TOPE NETWORK MODULE #04-30

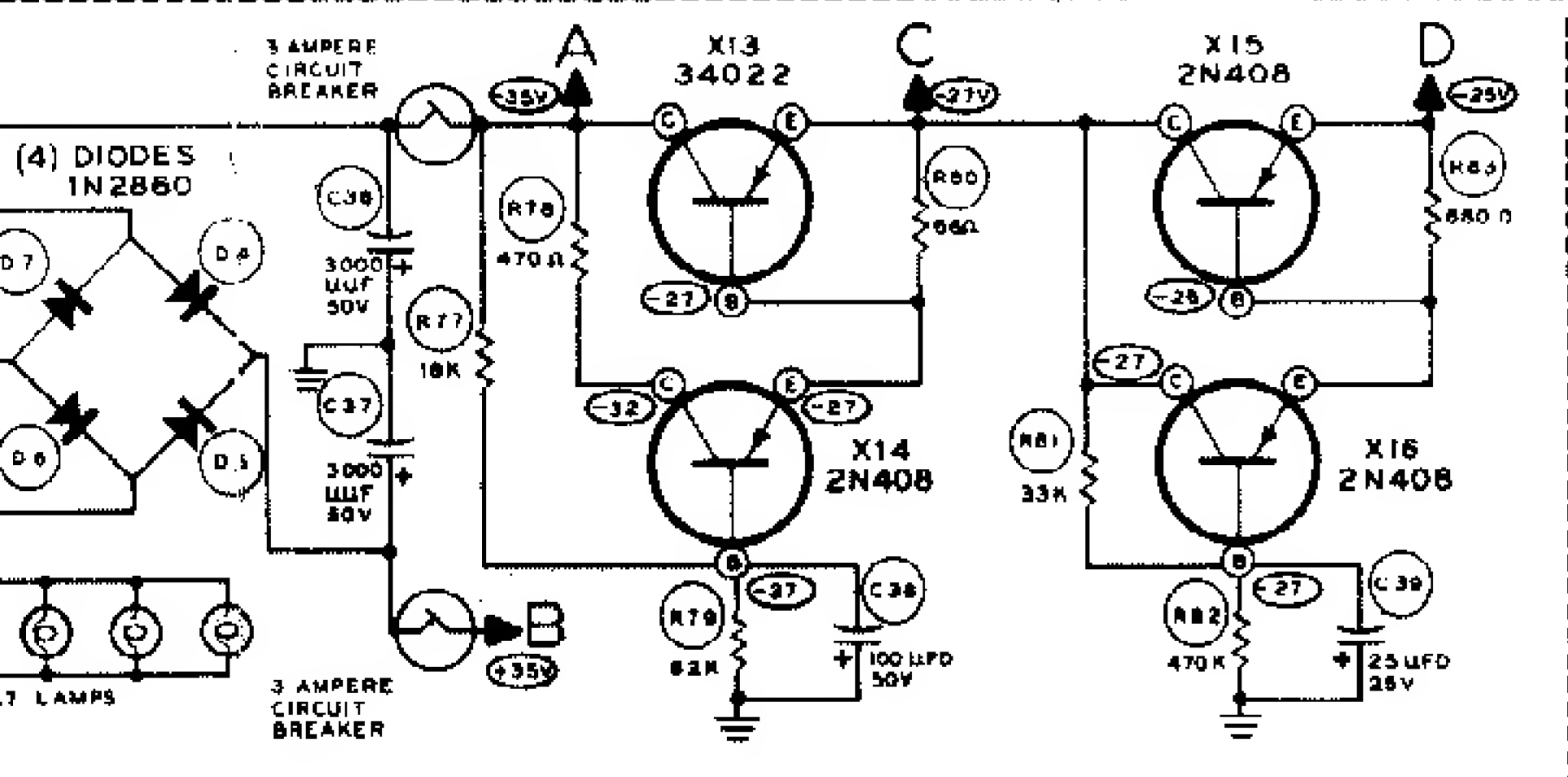
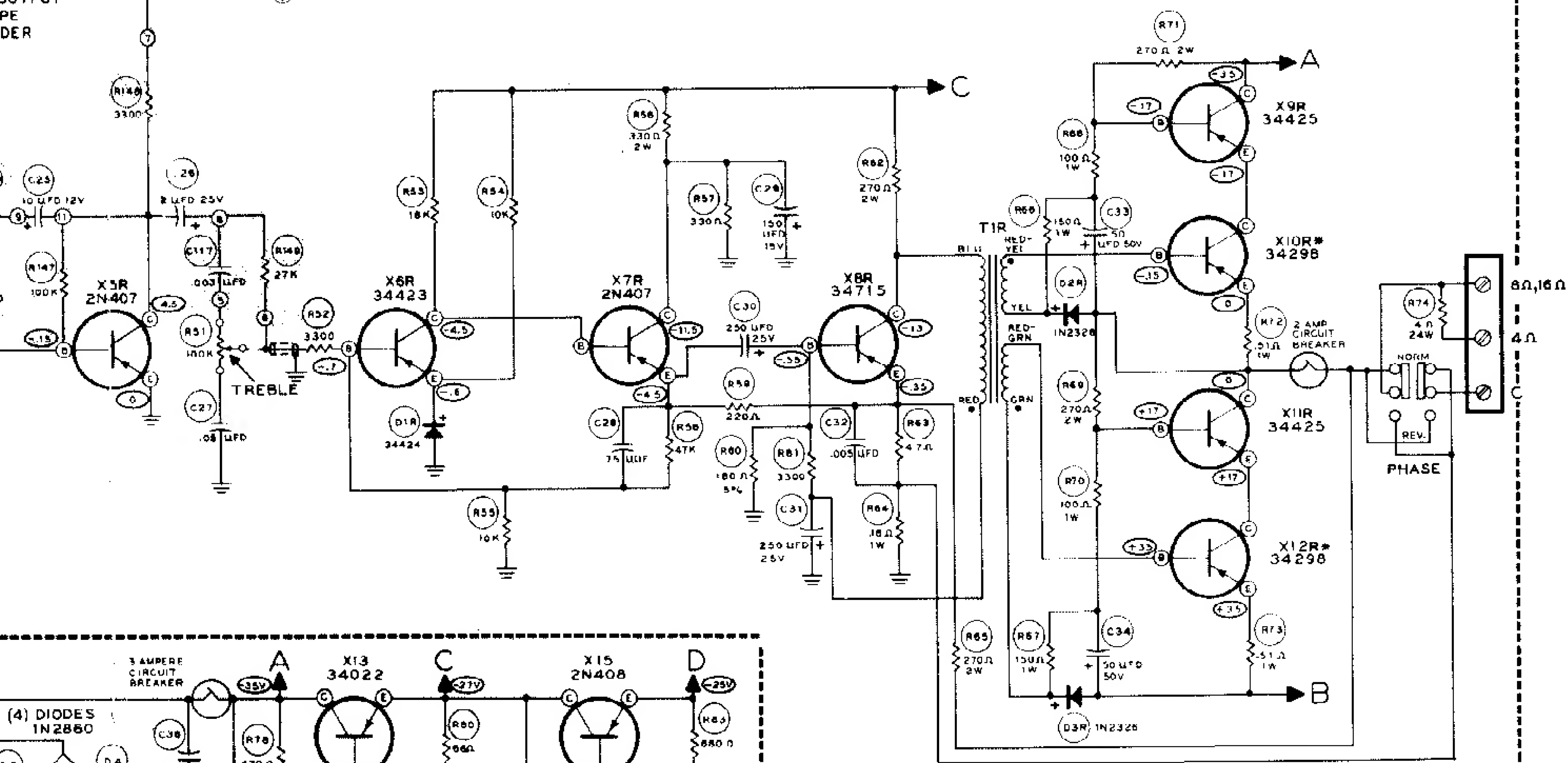
POWER SUPPLY



OUTPUT
PE
DER



OUTPUT
PE
DER



SCHEMATIC OF THE
HEATHKIT®
TRANSISTOR STEREO
AMPLIFIER
MODEL AA-21